

Catalog Number: 5f8

726 Publications

Basic Information

Catalog Number:
5f8**Clone No.:**
5F8**Applications:**
IF, ELISA**Host/IsoType:**
Rat/IgG2a**Conjugate:**
Unconjugated**Type:**
Primary Antibody**Class:**
Monoclonal**RRID:**
AB_2336064**Purification Method:**
Protein A or G purified

Description

Rat monoclonal [5F8] to Red Fluorescent Proteins (RFP)

Specificity/Target

mOrange, DsRed, mCherry, mRFP, mRFPRuby, mScarlet, tdTomato, mKate2, mPlum
For the complete list, please click here: [Fluorescent protein specificity table antibodies](#)

Recommended Dilution

Immunofluorescence: 1:1,000

Background

Red fluorescent proteins (RFPs) is a collective term referring to a heterogenous group of red chromophore-carrying proteins, originating from various species and forming different protein lineages. The original RFP (dsRed) is a 225 amino acid fluorescent protein (25.9 kDa) derived from *Discosoma* sp.. It emits red light with a peak wavelength of 593 nm upon excitation by green light (excitation peak at 558 nm). When fused with other proteins, RFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy. This antibody is a rat monoclonal antibody raised against RFP, reactive to a variety of RFP derivatives, including mOrange, DsRed, mCherry, mRFP, mRFPRuby, mScarlet, tdTomato, mKate2, and mPlum.

Storage

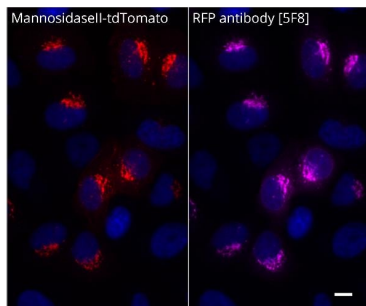
Storage:

Shipped on ice. Store at -20°C/-4°F. Stable for 1 year after shipment.

Storage Buffer:

PBS, 50% glycerol, preservative: 0.09% sodium azide.

Selected Validation Data



HeLa cells transiently transfected with Mannosidasell-tdTomato (Golgi). Primary antibody: [5F8] 1:1,000 Secondary antibody: goat anti-rat Alexa Fluor® 647 Fixation: 3.7 % PFA Scale bar: 10 μ m